



DATE: January 29, 1993

TO: District Engineers
District Field/Construction Engineers
Resident/Project Engineers

FROM: Robert A. Welke, Deputy Director
Bureau of Highways

SUBJECT: **CONSTRUCTION CIRCULAR LETTER 1993-1**
Penalties for Concrete Strength - Non-concrete Quality Assurance Projects

The following should be followed when the contractor supplies concrete which does not meet the anticipated minimum strength requirements:

1. Check with the Design Engineer to see if the concrete is of sufficient strength for structural needs.
2. If the concrete strength is judged to be of sufficient strength by the Design Engineer, an adjusted unit price for the concrete should be established in proportion to the reduced strength using the following formula:

$$\text{Adjusted Unit Price} = \frac{\text{Tested Strength}}{\text{Anticipated Minimum Strength of Concrete}} \times (\text{unit price})$$

Anticipated Minimum Strength of Concrete is considered to be the 28 days compressive strength shown in Table 7.01-1 of the 1990 Standard Specifications.

Projects utilizing the concrete quality assurance specification must use that specification for acceptance and payment.

Deputy Director

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BH:CD:GDD:PAL:jd

cc: P. Nowak
R. Welke
L. Kinney
P. Isom
J. O'Doherty
C. Arnold
J. Culp
D. VandenBerg
M. Washington
B. Hayes
J. Brown
J. McMahon
L. Hawkins
FHWA
MBRA
MRMCA
MCPA
MAPA
MMRC
W. Homrich
H. Linne
Counties - 83

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